JPEO-CBD
Joint Program for
Collective Protection
Presented to:
USSOCOM CBRN Conference
Dec 2003
Stan Enatsky
JPM-CP
(202) 781-3741
enatskysa@navsea.navy.mil
Chemical Biological
Radiological
Collective
Protection
Joint Program

Overview

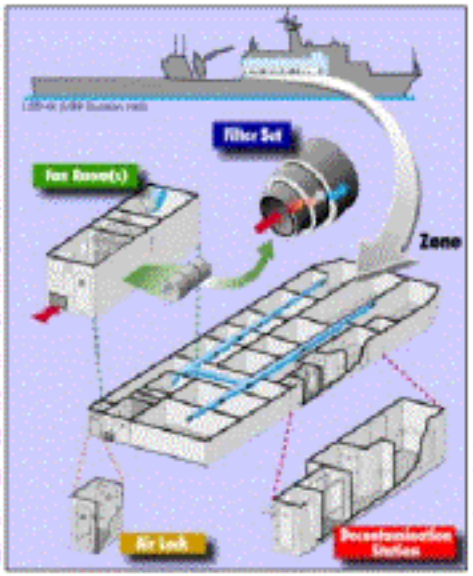
- Collective Protection (ColPro) focus
- ColPro programs
- ColPro objectives
- ColPro accomplishments

ColPro Focus Areas

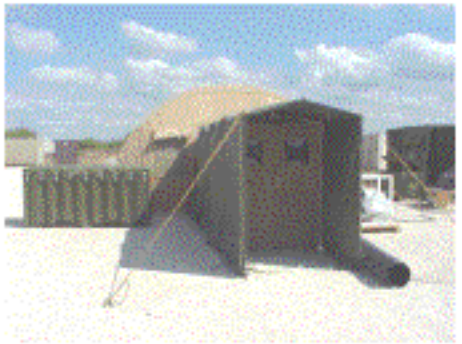
- Improve filtration efficiency, effectiveness and operational life
- Develop the capability to protect Joint Expeditionary Forces from CBRN/TIC/TIM threats
- Develop shelter material with inherent CBR protection
  - Eliminating redundant soft-shelter systems
- Integrate collective protection into all platforms – vehicles, aircraft, ships, shelters, facilities and buildings
- Standardize components to reduced logistics

Current Programs

- **Amphibious Ship ColPro Backfit**
- **Chem/Bio Protective Shelter**
- **Joint Collective Protection Equipment**



JCPE



Near Term Objectives

- Evaluate maturity of COTS and GOTS technologies
  - CP liners
    - Various soft shelters to include egress and ingress
    - Facilities
  - Facilities (coatings applied to rooms)
  - Soft shelter with inherent CB capability
  - Filters
    - Regenerative filtration
    - Filter life indicator
    - Enhance single pass filters
  - Modular ColPro equipment
    - Lighter / more efficient
      - Environmental control units
      - Filters / fans

Mid and Far Term Objectives

- **Joint Expeditionary Collective Protection**
  - Mix of expeditionary environments
    - Urban areas
    - Open areas (e.g., desert)
    - Hasty encampments/bivouac areas
  - Lighter, cheaper, easier to transport and adapt
    - Structure kits
    - Portable filtration kits / portable shelters
    - Tent kits
    - Stand alone shelters
    - Vehicle integrated shelters / adaptation kits

Accomplishments

- **Fielded 5 new capabilities for operation Iraqi freedom:**

1. Chemical Biological Protective Shelter (CBPS)
   - 64 fielded to units in southwest Asia to meet urgent operational needs.
   - Integrated self-contained system
   - Rapidly deployable, inflates in 3 minutes
   - Fully operational medical facility in < 20 minutes

2. Chemically Protected Deployable Medical System (CP DEPMEDS)
   - Six fielded to support field and combat support hospitals. Systems were fielded before OIF commencement.
   - Supports up to 296 patients
   - 72 hour CB mission
   - Uses TEMPER with CB liners, filters and airlocks

Accomplishments (con't)

3. Collectively Protected Small Shelter System (CP SSS)
   - 100 systems delivered to CENTAF in support of USAF units.
   - Provides rest and relief, bed-down and command and control.
   - Configurations vary, tailored to meet mission needs.
   - 32-foot shelter, protects up to 40 people, meets AF SOF requirements.

4. Collectively Protected Expeditionary Medical Systems (CP EMEDS)
   - Five systems deployed in support of USAF medical units.
   - 25 inpatient beds.
   - Emergency medical care for 3000 – 5000 people
   - Configurations vary, tailored to meet medical mission needs.

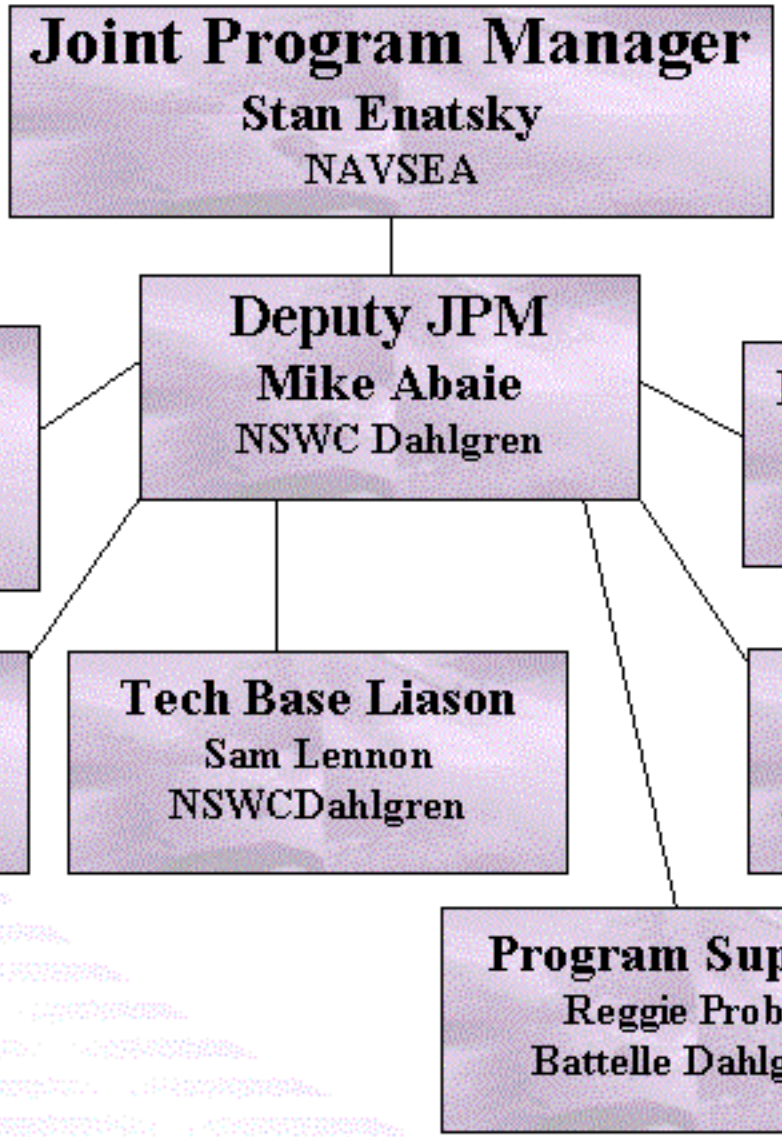
Accomplishments (Con't)

5. **Collective Protections Systems, CP for Medium General Purpose Tent System (CP MGPTS)**
   - 145 deployed in support of USMC medical and command operations centers.
   - Erect in < 30 minutes,
   - Struck and prepared for transportation in < 60 minutes by four soldiers, in CB protective clothing
   - Toxic Free Area (TFA) - approximately 240 sq. ft.

Summary

- **SOF actions**
  - Open dialog with Joint ColPro team, technical experts, and industry
  - Express ColPro capability gaps
- **JPM-ColPro actions**
  - Provide material solutions that respond to SOF ColPro requirements
  - Establish a single DoD source for ColPro

JPMO Collective Protection



JPM ColPro Points of Contacts

- **ColPro Joint Program Manager**
  - Stan Enatsky
  - 202-781-3741
  - enatskysa@navsea.navy.mil

- **ColPro Deputy Joint Program Manager**
  - Mike Abaie
  - 540-653-2719
  - abaiems@nswc.navy.mil